

10/578263  
IAP20 Rec'd PCT PTO 04 MAY 2006

K 39 161.WorkFile

Application Project

<120> Title : Polyvalente Allergievakzine

<130> AppFileReference : K 39 161/7sc

<140> CurrentAppNumber :

<141> CurrentFilingDate : \_\_\_\_-\_\_-\_\_

Sequence

<213> OrganismName : Unknown

<400> PreSequenceString :

MGETLLRAVE SYAGELELQF RRVKCKYTVA TAPEVKYTVF ETALK

45

<212> Type : PRT

<211> Length : 45

SequenceName : Hybirdpolypeptid (page 6)

SequenceDescription :

Sequence

<213> OrganismName : Unknown

<400> PreSequenceString :

MEQKLRSAQE LELQFRRVKC KYPEGTKVEF GVFNYETETT SVIPAARLKA FILDGDNLFP  
60

KVAPQAINIE GNNGPGTKIS PEGFPFKYVK DRVDEVDTN FKYNYSVIEG GPIGDTLEKI  
120

SNEIKIVATP DGGSILKISN KYHTKGDHEV KAEQVKASKE GETLRVESYL LAHSDAYNKL  
180

QAYAATVATA PEVKYTVFET ALKKATAMSE

210

<212> Type : PRT

<211> Length : 210

SequenceName : Konstrukt 1 (Phl p 1 - Bet v 1a - Phl p 5) -  
Aminosäuresequenz

SequenceDescription :

Sequence

<213> OrganismName : Unknown

<400> PreSequenceString :

MAYAATVATA PEVKYTVFET ALKKAITAMS EEFGVFNYET ETTSVIPAAR LFKAFILDGD  
60

NLFPKVAPQA ISSVENIEGN GGPGTIKKIS FPEGFPFKYV KDRVDEVDTN NFKYNYSVIE  
120

GGPIGDTLEK ISNEIKIVAT PDGGSILKIS NKYHTKGDHE VKAEQVKASK EMGETLLRAV  
180

ESYLLAHSDA YNKLEQKLR AGELELQFRR VKCKYPEGTK V

221

<212> Type : PRT

<211> Length : 221

SequenceName : Konstrukt 2 (Phl p 5 - Bet v 1a - Phl p 1) -  
Aminosäuresequenz

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SequenceDescription :

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
MGEFGVFNYE TETTSVIPAA RLFKAFILEG DNLFPKVAPQ AISSVENIEG NGGPGTIKKI  
60  
SFPEGFPFKY VKDRVDEVDH TNFKYNYSVI EGGPIGDTLE KISNEIKIVA TPDGGSILKI  
120  
SNKYHTKGDH EVKAEQVKAS KEMGETLLRA VESYLLAHSD AYNKLEQKLR SAGELELQFR  
180  
RVKCKYPEGT KVTSQAYAAT VATAPEVKYT VFETALKKAI TAMSE  
225  
<212> Type : PRT  
<211> Length : 225  
SequenceName : Konstrukt 3 (Bet v 1a - Phl p 1 - Phl p 5) -  
Aminosäuresequenz  
SequenceDescription :

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
MEQKLRSAE LELQFRRVKC KYPEGTKVTS QAYAATVATA PEVKYTVFET ALKKAITAMS  
60  
EEFGVFNYET ETTSVIFAAAR LFKAFILDGD NLFPKVAPQA ISSVENIEGN GGP GTIKKIS  
120  
FPEGFPFKYV KDRVDEVDT NFKYNYSVIE GGPIGDTLEK ISNEIKIVAT PDGGSILKIS  
180  
NKYHTKGDHE VKAEQVKASK EMGETLLRAV ESYLLAHSDA YN  
222  
<212> Type : PRT  
<211> Length : 222  
SequenceName : Konstrukt 4 (Phl p 1 - Phl p 5 - Bet v 1a) -  
Aminosäuresequenz  
SequenceDescription :

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
ccatggagca gaagctgcgc agcgccggcg agctggagct ccagttccgg cgcgtcaagt  
60  
gcaagtaccc ggagggcacc aaggtggaat tcgggtttt caattacgaa actgagacca  
120  
cctctgttat cccagcagct cgactgttca aggcctttat ctttgatggc gataatctt  
180  
ttccaaaggt tgccacccaa gccattagca gtgttgaaaa cattgaagga aatggaggc  
240  
ctggaaaccat taagaagatc agcttccccg aaggcttccc tttcaagtac gtgaaggaca  
300

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gagttgatga ggtggaccac acaaacttca aatacaatta cagcgtgatc gagggcggtc  
     360  
 ccataggcga cacatggaga agatctccaa cgagataaag atagtggcaa cccctgatgg  
     420  
 aggatccatc ttgaagatca gcaacaagta ccacacccaa ggtgaccatg aggtgaaggc  
     480  
 agagcaggtt aaggcaagta aagaaatggg cgagacactt ttgagggccg ttgagagcta  
     540  
 cctttggca cactccgatg cctacaacaa gcttcaggcc tacgcccaca ccgtcgccac  
     600  
 cgcggccggag gtcaagtaca ctgtcttga gaccgcactg aaaaaggcca tcaccgcccatt  
     660  
 gtccgaataa ctcgag  
     676

<212> Type : DNA  
 <211> Length : 676  
 SequenceName : Konstrukt 1 (Phl p 1 - Bet v 1a - Phl p 5) -  
 Nukleotidsequenz  
 SequenceDescription :

Custom Codon

Sequence Name : Konstrukt 1 (Phl p 1 - Bet v 1a - Phl p 5) - Nukleotidsequenz

Sequence

<213> OrganismName : Unknown  
 <400> PreSequenceString :  
 ccatggccta cgccgccacc gtcgccaccg cgccggaggt caagtacact gtctttgaga  
     60  
 ccgcaactgaa aaaggccatc accgccatgt ccgaagaatt cggtgtttc aattacgaaa  
     120  
 ctgagaccac ctctgttatac ccagcagctc gactgttcaa ggccttatac cttgatggcg  
     180  
 ataatctttt tccaaaggtt gcaccccaag ccattagcag ttttggaaaac attgaaggaa  
     240  
 atggagggcc tggaaaccatt aagaagatca gctttccca gggctccct ttcaggatc  
     300  
 tgaaggacag agttgatgag gtggaccaca caaacttcaa atacaattac agcgtgatcg  
     360  
 agggcggtcc cataggcgac acatggagaa gatctccaaac gagataaaga tagtggcaac  
     420  
 ccctgatgga ggatccatct tgaagatcag caacaagtcac cacacccaaag gtgaccatga  
     480  
 ggtgaaggca gagcaggtt aaggcaagtaa aaaaatgggc gagacacttt tgagggccgt  
     540  
 tgagagctac ctcttggcac actccgatgc ctacaacaag cttgagcaga agctgcgcag  
     600  
 cggccggcgag ctggagctcc agttccggcg cgtcaagtgc aagtacccgg agggcaccaa  
     660  
 ggtgttaactc gag

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673  
<212> Type : DNA  
<211> Length : 673  
SequenceName : Konstrukt 2 (Phl p 5 - Bet v 1a - Phl p 1) -  
Nukleotidsequenz  
SequenceDescription :  
  
Custom Codon  
-----  
Sequence Name : Konstrukt 2 (Phl p 5 - Bet v 1a - Phl p 1) - Nukle  
otidsequenz  
  
Sequence  
-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
ccatgggaga attcgggtgtt ttcaattacg aaactgagac cacctctgtt atcccagcag  
60  
ctcgactgtt caaggccttt atccttgatg gcgataatct ctttccaaag gttgcacccc  
120  
aagccat tag cagtgtt gaa aacattgaag gaaatggagg gcctggaacc attaagaaga  
180  
tcagcttcc cgaaggcttc ccttcaagt acgtgaagga cagagttgat gaggtggacc  
240  
acacaaaactt caaatacaat tacagcgtga tcgagggcgg tcccataggc gacacatgga  
300  
gaagatctcc aacgagataa agatagtggc aacccctgat ggaggatcca tcttgaagat  
360  
cagcaacaag taccacacca aaggtgacca tgaggtgaag gcagagcagg ttaaggcaag  
420  
taaagaaatg ggcgagacac ttttggggc cggtgagagc tacctttgg cacactccga  
480  
tgcctacaac aagcttgagc agaagctgcg cagcgcggc gagctggagc tccagttccg  
540  
gcgcgtcaag tgcaagtacc cggagggcac caaggtgact agtcaggcct acgcccac  
600  
cgtcgccacc gcgcggagg tcaagtacac tgtctttgag accgcactga aaaaggccat  
660  
caccgcacatg tccgaataac tcgag  
685  
<212> Type : DNA  
<211> Length : 685  
SequenceName : Konstrukt 3 (Bet v 1a - Phl p 1 - Phl p 5) -  
Nukleotidsequenz  
SequenceDescription :  
  
Custom Codon  
-----  
Sequence Name : Konstrukt 3 (Bet v 1a - Phl p 1 - Phl p 5) - Nukle  
otidsequenz  
  
Sequence

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-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
ccatggagca gaagctgcgc agcgccggcg agctggagct ccagttccgg cgcgtaagt  
60  
gcaagtaccc ggagggcacc aaggtgacta gtcaggccta cgccgcccacc gtcgccaccc  
120  
cgccggaggt caagtacact gtcttgaga ccgcactgaa aaaggccatc accgcccatt  
180  
ccgaagaatt cgggttttc aattacgaaa ctgagaccac ctctgttatac ccagcagctc  
240  
gactgttcaa ggcctttatac cttgatggcg ataatcttt tccaaagggtt gcaccccaag  
300  
ccattagcag tggaaaac attgaaggaa atggagggcc tggaccatt aagaagatca  
360  
gctttccga aggctccct ttcaagtacg tgaaggacag agttgatgag gtggaccaca  
420  
caaacttcaa atacaattac agcgtgatcg agggcggtcc catagggcac acatggagaa  
480  
gatctccaaac gagataaaga tagtggcaac ccctgatgga ggatccatct tgaagatcag  
540  
caacaagtagc cacaccaaag gtgaccatga ggtgaaggca gagcaggta aggcaagtaa  
600  
agaaaatggc gagacacttt tgagggccgt tgagagctac ctcttggcac actccgatgc  
660  
ctacaactaa ctcgag  
676  
<212> Type : DNA  
<211> Length : 676  
SequenceName : Konstrukt 4 (Phl p 1 - Phl p 5 - Bet v 1a) -  
Nukleotidsequenz  
SequenceDescription :

Custom Codon

-----  
Sequence Name : Konstrukt 4 (Phl p 1 - Phl p 5 - Bet v 1a) - Nukle  
otidsequenz

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
catgccatgg agcagaagct gcgcagc  
27  
<212> Type : DNA  
<211> Length : 27  
SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4  
(1a)  
SequenceDescription :

Custom Codon

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Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4 (1a)

Sequence

-----

<213> OrganismName : Unknown

<400> PreSequenceString :

atgaattcca ccttggtgcc ctccgg

26

<212> Type : DNA

<211> Length : 26

SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4

(1b)

SequenceDescription :

Custom Codon

-----

Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4(1b)

Sequence

-----

<213> OrganismName : Unknown

<400> PreSequenceString :

accaagcttc aggcttacgc cgccacc

27

<212> Type : DNA

<211> Length : 27

SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4

(1c)

SequenceDescription :

Custom Codon

-----

Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4(1c)

Sequence

-----

<213> OrganismName : Unknown

<400> PreSequenceString :

ccgctcgagt tattcgacat tggcggtgat

30

<212> Type : DNA

<211> Length : 30

SequenceName : Construct 1: Pept 2 - Bet v 1a - Pept 4

(1d)

SequenceDescription :

Custom Codon

-----

Sequence Name : Construct 1: Pept 2 - Bet v 1a - Pept 4(1d)

Sequence

-----

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<213> OrganismName : Unknown  
<400> PreSequenceString :  
accaagctt<sub>27</sub> agcagaagct gcgcagc

<212> Type : DNA  
<211> Length : 27  
SequenceName : Construct 2: Pept 4 - Bet v 1a - Pept 2

(2a)  
SequenceDescription :

Custom Codon

Sequence Name : Construct 2: Pept 4 - Bet v 1a - Pept 2(2a)

Sequence

<213> OrganismName : Unknown  
<400> PreSequenceString :  
ccgctcgagt tacacc<sub>30</sub>ttgg tgccctccgg

<212> Type : DNA  
<211> Length : 30  
SequenceName : Construct 2: Pept 4 - Bet v 1a - Pept 2

(2b)  
SequenceDescription :

Custom Codon

Sequence Name : Construct 2: Pept 4 - Bet v 1a - Pept 2(2b)

Sequence

<213> OrganismName : Unknown  
<400> PreSequenceString :  
catgccatgg cctacgccc<sub>27</sub>gc caccgtc

<212> Type : DNA  
<211> Length : 27  
SequenceName : Construct 2: Pept 4 - Bet v 1a - Pept 2

(2c)  
SequenceDescription :

Custom Codon

Sequence Name : Construct 2: Pept 4 - Bet v 1a - Pept 2(2c)

Sequence

<213> OrganismName : Unknown  
<400> PreSequenceString :  
atgaattctt<sub>26</sub> cggacatggc ggtgat

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<212> Type : DNA  
<211> Length : 26  
    SequenceName : Construct 2:                   Pept 4 - Bet v 1a - Pept 2  
(2d)  
    SequenceDescription :

Custom Codon

-----  
Sequence Name : Construct 2:                   Pept 4 - Bet v 1a - Pept 2 (2d)

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
accaagcttg agcagaagct ggcgcagc  
27  
<212> Type : DNA  
<211> Length : 27  
    SequenceName : Construct 3:                   Bet v 1a - Pept 2 - Pept 4  
(3a)  
    SequenceDescription :

Custom Codon

-----  
Sequence Name : Construct 3:                   Bet v 1a - Pept 2 - Pept 4 (3a)

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
ggactagtca cttgggtgcc ctccgg  
26  
<212> Type : DNA  
<211> Length : 26  
    SequenceName : Construct 3:                   Bet v 1a - Pept 2 - Pept 4  
(3b)  
    SequenceDescription :

Custom Codon

-----  
Sequence Name : Construct 3:                   Bet v 1a - Pept 2 - Pept 4 (3b)

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
ggactagtca ggcctacgcc gccacc  
26  
<212> Type : DNA  
<211> Length : 26  
    SequenceName : Construct 3:                   Bet v 1a - Pept 2 - Pept 4  
(3c)

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SequenceDescription :

Custom Codon

-----

Sequence Name : Construct 3: Bet v 1a - Pept 2 - Pept 4(3c)

Sequence

-----

<213> OrganismName : Unknown  
<400> PreSequenceString :  
ccgctcgagt tattcgacatggcggtgat  
30

<212> Type : DNA  
<211> Length : 30  
SequenceName : Construct 3: Bet v 1a - Pept 2 - Pept 4  
(3d)

SequenceDescription :

Custom Codon

-----

Sequence Name : Construct 3: Bet v 1a - Pept 2 - Pept 4(3d)

Sequence

-----

<213> OrganismName : Unknown  
<400> PreSequenceString :  
catgccatgg agcagaagct gcgcagc  
27

<212> Type : DNA  
<211> Length : 27  
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a  
(4a)

SequenceDescription :

Custom Codon

-----

Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4a)

Sequence

-----

<213> OrganismName : Unknown  
<400> PreSequenceString :  
ggacttagtca ccttgggtgcc ctccggg  
27

<212> Type : DNA  
<211> Length : 27  
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a  
(4b)

SequenceDescription :

Custom Codon

-----

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Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4b)

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
ggactagtcg ggctacgcc gccacc  
26  
<212> Type : DNA  
<211> Length : 26  
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a  
(4c)  
SequenceDescription :

Custom Codon

-----  
Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4c)

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
atgaattctt cggacatggc ggtgat  
26  
<212> Type : DNA  
<211> Length : 26  
SequenceName : Construct 4: Pept 2 - Pept 4 - Bet v 1a  
(4d)  
SequenceDescription :

Custom Codon

-----  
Sequence Name : Construct 4: Pept 2 - Pept 4 - Bet v 1a(4d)

Sequence

-----  
<213> OrganismName : Unknown  
<400> PreSequenceString :  
catgccatgg gagaattcgg tggtttcaat tacgaaactg  
40  
<212> Type : DNA  
<211> Length : 40  
SequenceName : Bet v 1a(5a)  
SequenceDescription :

Custom Codon

-----  
Sequence Name : Bet v 1a(5a)

Sequence

-----  
<213> OrganismName : Unknown

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<400> PreSequenceString :
ccgctcgagt ccaagcttgt tgtaggcatac ggagtgtg
38
<212> Type : DNA
<211> Length : 38
SequenceName : Bet v 1a(5b)
SequenceDescription :

Custom Codon
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Sequence Name : Bet v 1a(5b)

Sequence
-----
<213> OrganismName : Unknown
<400> PreSequenceString :
ccgctcgagt tagttgttagg catcgaggatg
30
<212> Type : DNA
<211> Length : 30
SequenceName : Bet v 1a(5c)
SequenceDescription :

Custom Codon
-----
Sequence Name : Bet v 1a(5c)
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